

International Symposium on High-level Parallel Programming and Applications



HLPP2013, Paris 1-2 July

2013.



Aims and scope:

As processor and system manufacturers increase the amount of both inter- and intra-chip parallelism it becomes crucial to provide the software industry with high-level, clean and efficient tools for parallel programming. Parallel and distributed programming methodologies are currently dominated by low-level techniques such as send/receive message passing, or equivalently unstructured shared memory mechanisms. Higher-level, structured approaches offer many possible advantages and have a key role to play in the scalable exploitation of ubiquitous parallelism.

Since 2001 the HLPP series of meetings has been a forum for researchers developing state-of-the-art concepts, tools and applications for high-level parallel programming. The general emphasis is on software quality, programming productivity and high-level performance models. The 2013 symposium will be a self-contained event, held in central Paris.

Invited speaker: Leslie Valiant (Harvard University) inventor of the BSP paradigm

and 2010 Turing award.

Topics: HLPP 2013 invites the submission of papers written in English on all topics including (but not limited to) the following aspects of multi-core, parallel, distributed, grid and cloud computing:

- High-level programming and performance models (BSP, CGM, LogP, MPM, etc.) and tools
- Declarative parallel programming methodologies
- Algorithmic skeletons and constructive methods
- Declarative parallel programming languages and libraries: semantics and implementation
- Verification of declarative parallel and distributed programs
- Software synthesis, automatic code generation for parallel programming
- Model-driven software engineering with parallel programs
- High-level methods for heterogeneous/hierarchical platforms: GPGPU, FPGA etc.
- High-level parallel methods for large structured and semi-structured datasets
- Applications of parallel systems using highlevel languages and tools
- Teaching experience with highlevel tools and methods

Proceedings:

Authors of accepted papers will be expected to register and to present their paper at the symposium.

All accepted papers will be eligible for publication in a special issue of Springer's [International Journal of Parallel Programming](#) (IJPP).

<p>International programme committee:</p> <ul style="list-style-type: none"> ■ Mostafa Bamha (Université d'Orléans, France) ■ Pavan Balaji (Argonne National Laboratory, United States) ■ Rob Bisseling (Utrecht University, Netherlands) ■ Murray Cole (University of Edinburgh, United Kingdom) ■ Kento Emoto (University of Tokyo, Japan) ■ Frédéric Gava (Université Paris-Est, France) ■ Alexandros Gerbessiotis (New Jersey Institute of Technology, United States) ■ Andy Gill (University of Kansas, United States) ■ Clemens Grelck (University of Amsterdam, Netherlands) ■ Christoph Kessler (Linköping University, Sweden) ■ Herbert Kuchen (Universität Münster, Germany) 	<p>Organizers and program co-chairs:</p> <ul style="list-style-type: none"> ■ Gaétan Hains (Université Paris-Est, France) ■ Youry Khmelevsky (University of British Columbia, Canada) <p>HLPP steering committee:</p> <ul style="list-style-type: none"> ■ Clemens Grelck (University of Amsterdam, Netherlands) ■ Gaétan Hains (Université Paris-Est, France) ■ Kiminori Matsuzaki (Kochi University of Technology, Japan) ■ Frédéric Loulergue (Université d'Orléans, France)
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<ul style="list-style-type: none"> ■ Ramon Lawrence (University of British Columbia, Canada) ■ Quentin Miller (Somerville College Oxford, United Kingdom) ■ Susanna Pelagatti (University of Pisa, Italy) ■ Alexander Tiskin (University of Warwick, United Kingdom) 	<ul style="list-style-type: none"> ■ Quentin Miller (Somerville College Oxford, United Kingdom) ■ Alexander Tiskin (University of Warwick, United Kingdom)
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Paper submission:

Submitted papers must not have been published or simultaneously submitted elsewhere. Submission should include a cover page with authors' names, affiliation addresses, fax numbers, phone numbers, and email addresses. Please, indicate clearly the corresponding author and include up to 6 keywords from the above list of topics and an abstract of no more than 450 words. Submissions should cover approximately 15 pages and camera-ready versions will be 20 pages long. Full manuscripts should be prepared with the IJSS [latex macro package](#) and submitted via the [IJPP online editorial system](#). Only source latex files will be accepted by the system. Each paper will receive a minimum of three reviews. Papers will be selected based on their originality, relevance, technical clarity and presentation. Authors of accepted papers must guarantee that their papers will be registered and presented at the symposium. Accepted papers will be made available at the time of the meeting and published in the symposium proceedings.

Important dates:

Paper submissions	Sun. 17 February 2013
Notification to authors	Sun. 17 March 2013
HLPP symposium	Mon.-Tue. 1-2 July 2012

Venue: [Institut Henri Poincaré](#), Paris.

Registration: Registration fees will be kept to a minimum. Details will be shown here as early as possible.

HLPP2013

HLPP2013

Today

Monday, 21 January ▾ 

Displaying events after 21/1.

[Look for earlier events](#)

Sunday, 17 February

12:00 [HLPP submission deadline](#)

Sunday, 17 March

12:00 [HLPP: notification to authors](#)

Events shown in time zone: Paris



Past HLPP events: <http://www.hlpp.eu>

URL for this page: <https://sites.google.com/site/hlpp2013/>

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Subpages (1): [HLPP 2013 programme.](#)